Amendments to the Specification:

Please replace the paragraph beginning at page 1, line 24, with the following amended paragraph:

Based on the measurement of electron spin resonance, Hosono who is one of the inventors of the present invention, et al. found out that $CaCO_3$ and Al_2O_3 or $Al(OH)_3$ can be used as a raw material and synthesized through a solid-phase reaction at a temperature of 1200°C in the air to obtain a C12A7 crystal clathrateing O_2^- at a concentration of about 1×10^{19} cm^{-3}. They proposed a model such that a part of free oxygens exists within crystal cages in the form of O_2^- (H. Hosono and Y. Abe, Inorg. Chem. [[26]] 26[8], 1193, 1987, pp. 171-172, 1996, Materials Science Society of Japan).

Please replace the paragraph beginning at page 2, line 10, with the following amended paragraph:

Subsequently, the inventors found out a method of controlling the concentration of an anion other than a negative oxygen ion, such as OH^- ion in a C12A7, to incorporate or extract active oxygen species at about 700°C, and filed a patent application for inventions related thereto [Japanese Patent Application No. 2001-226843 (Patent Laid-Open Publication No. 2003-040697)]. The inventors also found out that a electric field can be applied to a C12A7 compound containing an active oxygen at a high concentration to extract a high-density O^- ion beam, and filed a patent application for inventions related thereto [[(]] Japanese Patent Application No.

2001-377293(WO 03/050037A1)] .

Please replace the paragraph beginning at page 2, line 25, with the following amended paragraph:

A $12SrO \cdot 7Al_2O_3$ compound (S12A7) is known as a material having a crystal structure similar to that of a C12A7 compound (O. Yamaguchi et al. J. Am. Ceram. Soc. 69.[2] C-36, 1968). As to a S12A7 compound, the inventors also filed a patent application for inventions concerning a synthetic method therefor, a method for incorporating an active oxygen ion and the uses of the compound [[[( ]] Japanese Patent Application No. 2002-045302 (Japanese Patent Publication No. 2003-0238149)]